EXAMPLE 15

Copolymerization of tris(trimethylsiloxy)silane(m,p-methacryloxymethyl)-phenylethane with methyl methacrylate and methacrylic acid

Tris(trimethylsiloxy)silane(m,p-methacryloxymethyl)phenylethane 3.84 g. was added to a clean, dry 20 ml glass, screw top test tube along with 3.62 g. methyl methacrylate, 0.39 g. methacrylic acid, 0.16 g. ethyleneglycol dimethacrylate and 0.09 g. USP 235. After degassing with Argon the tube was capped and placed in an oil bath at 50° C. for one hour and then at 70° C. for 72 hours. It was then carried through an annealing cycle at 120° C. A hard, transparent button was obtained that could be machined to a contact lens using standard lathing and polishing techniques. The contact lens thus obtained has a DK of 18.

The following table summarizes some of the monomers which have been or can be prepared in accordance with the invention.

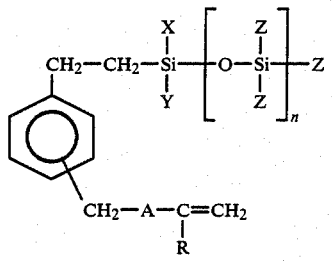
TABLE III

Compound Name	A	R	X	Y	Z	n
tris(trimethylsiloxy)-silane-(m,p-methacryloxy-methyl)-phenylethane	Ester	Methyl	$-OSi(CH_3)_3$	*	$-CH_3$	1
tris(pentamethyl disiloxyl silane-(m,p-methacryloxy-methyl)phenylethane	Ester	Methyl	$-OSi(CH_3)_2OSi(CH_3)_3$*		$-OSi(CH_3)_3$	1
tris(trimethylsiloxy)-silane-(m,p-N—methacryl-aminomethyl)phenylethane	Amide	Methyl	$-OSi(CH_3)_3$	*	$-CH_3$	1
bis(trimethylsiloxy)methyl-silane-(m,p-N—methacryl-aminomethyl)phenylethane	Amide	Methyl	$-CH_3$	$OSi(CH_3)_3$	$-CH_3$	1
bis(trimethylsiloxy)methyl-silane-(m,p-methacryloxy-methyl)phenylethane	Ester	Methyl	$-CH_3$	$OSi(CH_3)_3$	$-CH_3$	1
trimethylsiloxy-dimethyl-silane-(m,p-methacryloxy-methyl)phenylethane	Ester	Methyl	$-CH_3$	*	$-CH_3$	1
tris(pentamethyl disiloxyl silane-(m,p-3-N—methacryl-oxymethylureido-1-N—methyl)-phenylethane	Urea, m = 2	Methyl	$-OSi(CH_3)_2OSi(CH_3)_3$*		$-OSi(CH_3)_3$	1
tris(trimethylsiloxy)-silane-(m,p-3-N—methacryl-oxymethylureido-1-N—methyl)-phenylethane	Urea, m — 2	Methyl	$-OSi(CH_3)_3$	*	$-CH_3$	1
bis(trimethylsiloxy)methyl-silane-(m,p-3-N—methacryl-oxymethylureido-1-N—methyl)-phenylethane	Urea, m = 2	Methyl	$-CH_3$	$OSi(CH_3)_3$	$-CH_3$	1

*Y and X are the same.

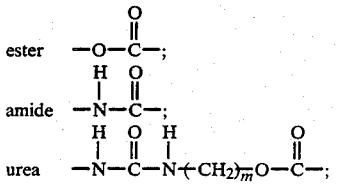
What is claimed is:

1. The copolymer for preparation of optical lenses which is prepared by polymerizing a mixture of monomers which comprises as a main monomer in said mixture from about 25% by weight to about 50% by weight of a siloxane monomer having the formula:



wherein,

(1) "A" is selected from the group consisting of:



where m is a number and is from 2–4;

(2) R is hydrogen or methyl;

(3) X and Y are selected from the group consisting of C_1 to C_5 alkyl groups, phenyl groups and W groups;

(4) W is a group of the structure